

STATE OF WASHINGTON
DEPARTMENT OF FISH & WILDLIFE
LANDS AND RESTORATION SERVICES PROGRAM
Salmonid Screening, Habitat Enhancement &
Restoration Division (SSHEAR)

OFF-CHANNEL SITE INVENTORY DATA

General Information:

Region: North Coast	Observer(s): Powell
River System: Sol Duc	Date: 3/12/97
Site Identifier: S-0345	WRIA: 20.0345
River Mile Location: 52.2 (WRIA egress is wrong)	RB/LB: RB
Local Name: Unnamed	Trib. to: Sol Duc (20.0096)
Legal Description: NE¼ Sec 33 T30N R10W	County: Clallam
Habitat Type: Terrace tributary	
Landowner: (X) Federal () State () County () Other Government () Private - Olympic National Park - Possibly M&R Timber Co. near egress or National Forest land.	

Directions to site:

Starting at Forks (Tillicum Park) drive north on Highway 101 for 24.4 miles to F.S. 2918 and take a right on this road. Follow this road for 2 miles and the channel crossing the road will be S-0345. Upstream of the road, the channel forks - the right bank fork is S-0345.

Site Overview:

This channel is varied in features through out it's reaches. It sources in a high gradient, conifer forest and flows into an alder dominant, allevial flat. It then flows into a conifer, forested area with a moderate to steep gradient with some boulder/cascades. The lower reach is alder with a low to moderate gradient. The lower reach contains some good gravel for limited spawning, and the associated channel, S-345L-01, offers optimum rearing conditions.

Habitat Information:

Water source: Surface runoff, road runoff, and tributaries

Intermittent/year-around:

- Year-around

Estimated flows (cfs): 2

Water temperatures: 5.0° C

Adjacent stream temperature: 4.0° C (20.0096)

Other water observations: Water is clear

Site area measurements: () Indirect () Direct (X) Combination

Widths: Channel- 0.5 m - 1.5 m Ponds- NA Wetlands- NA

Depths: Channel- 2.5 cm - 15 cm Ponds- NA Wetlands- NA

Total length (includes ponds and wetlands): ~660 m

Total existing habitat area (est.): 660 m²

Spawning area: 185 m²

Impounded area: 0

Other rearing area: 475 m²

Spawning Habitat conditions: ☐ None ☐ Poor ☒ Fair ☐ Good ☐ Excellent

Describe spawning habitat:

- The lower reach contains some quality gravel for coho spawning.
- There is gravel through out the system but the mid and upper reaches may be more conducive to resident trout spawning (it is assumed that coho would not migrate above the boulder/cascades).

Rearing habitat conditions: ☐ None ☒ Poor ☐ Fair ☐ Good ☐ Excellent

Describe pond and other rearing habitat:

- This channel appears to experience moderate to high flushing flows.
- The lower-mid reach has a short distance of steep gradient with cascades.
- At the mid reach (upstream of FS 2918 road), the channel splits equally in a conifer forest.
- In the upper reach, the channel flows parallel to the Hot Springs Road. The channel runs through an alder flat with large gravel deposits.
- Above the Hot Springs Road (end of survey), the gradient appears to steepen.

Describe inaccessible habitat:

- The culvert on the FS 2918 road has 3+ foot plung.

Describe wetland: ☐ Bog ☐ Marsh ☐ Scrub-shrub Wetland ☐ Forested Wetland

- None

Flooding potential: ☒ Low ☐ Medium ☐ High

- None

Fish Information:

Site entry condition to (Sol Duc River 20.0096): ☐ Poor ☒ Fair ☐ Good

- The channel egresses into a river straight stretch, but there is a downstream eddy due to boulders.

Coho access and use:

- Juvenile- ☒ Unknown ☐ None ☐ Poor ☐ Fair ☐ Good
- Adult- ☒ Unknown ☐ None ☐ Poor ☐ Fair ☐ Good
- It is likely that coho would utilize the lower reach.

Other species access and use: ☐ Chum ☐ Pink ☐ Sockeye ☐ Chinook ☒ Trout

- It is likely that trout utilize this system since a small cutthroat was minnow trapped in S-345L-02, near the confluence with S-0345.

Habitat Improvements:

Enhancement opportunities:

- Replace culvert on the FS 2918 road.

Attachments Available:

Contact respective SSHEAR habitat biologist for the following checked items:

- | | | | |
|---|--|---|--|
| <input checked="" type="checkbox"/> Aerials | <input checked="" type="checkbox"/> Sketch | <input checked="" type="checkbox"/> Maps | <input checked="" type="checkbox"/> Culvert Report |
| <input type="checkbox"/> Other references | <input type="checkbox"/> Spawning surveys | <input checked="" type="checkbox"/> Juvenile trapping | <input type="checkbox"/> Fishway Report |

NORTH COAST OFF CHANNEL SURVEY
SUBSEQUENT SITE EVALUATION FORM

River System: Sol Duc

Site No.: S-0345

Site Name: Unnamed

WRIA: 20.0345

DATE: 3/15/97

OBSERVER: Powell

MINNOW TRAPPING REPORT

TRAP	DATE SET	TEMP	DATE PULLED	TEMP	COHO		CATCH		
					UMRK	MRK	RBT	CUTT	COTTID
1	3/13	4.5°C	3/15	4.0°C	0	0	0	0	0
2	3/13	4.5°C	3/15	4.0°C	0	0	0	0	0
TOTALS:					0	0	0	0	0

COMMENTS:

- Trap 1 was placed ~20 m upstream from FS 2918 road.
- Trap 2 was placed ~20 m upstream from trap #1.
- A cutthroat trout was trapped in S-345L-02, ~10 m from the confluence of these two channels.

DATE: 8/28/97

OBSERVER: Powell

We have had a dry spell for ~ 6 weeks and then ~ 2 inches of rain; the main channel was running about two CFS.

RIVER: SOL DUC

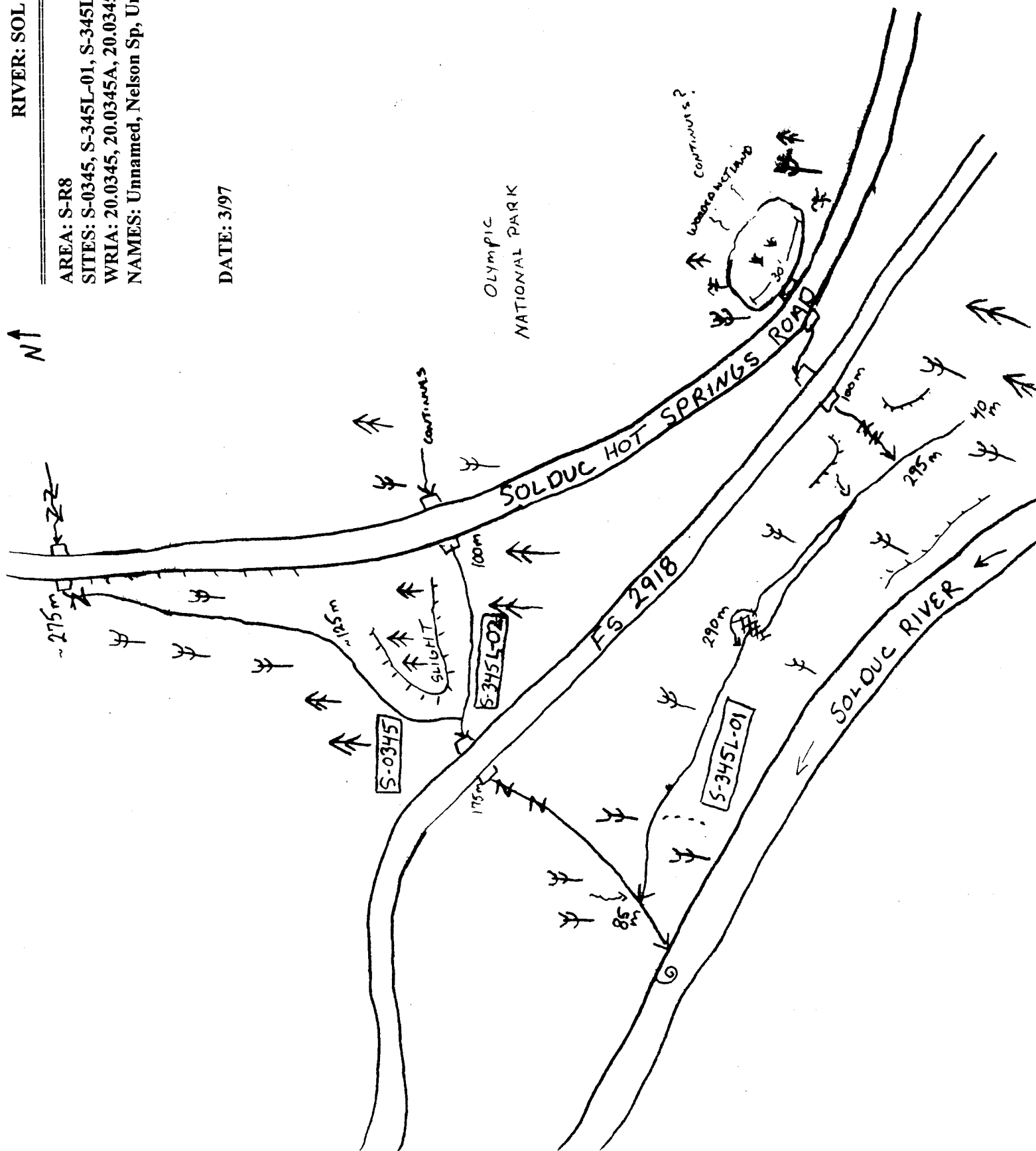
AREA: S-R8

SITES: S-0345, S-345L-01, S-345L-02

WRIA: 20.0345, 20.0345A, 20.0345B

NAMES: Unnamed, Nelson Sp, Unnamed

DATE: 3/97



AREA MAP